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- (71) Applicant (for all designated States except US): BORE-ALIS TECHNOLOGY OY [FI/FI]; P.O. Box 330, FIN-06101 Porvoo (FI).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): JUNGKVIST, Jonas [SE/SE]; Slottskosgatan 75, S-414 70 Göteborg (SE). SULTAN, Bernt-Ake [SE/SE]; Söbackevägen 16, S-444 42 Stenungsund (SE). DETLEF, Wald [BE/BE]; Jan van Gentstraat 29, B-2000 Antwerpen (BE).
- (74) Agent: KADOR & PARTNER; Corneliusstrasse 15, 80469 Munich (DE).

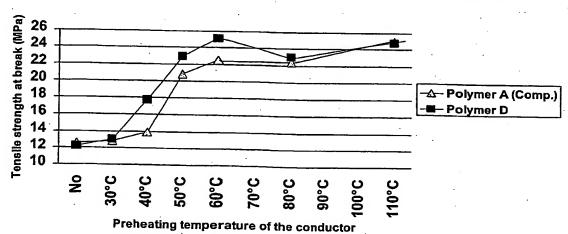
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(54) Title: LOW VOLTAGE POWER CABLE WITH INSULATION LAYER COMPRISING POLYOLEFIN HAVING POLAR GROUPS, HYDROLYSABLE SILANE GROUPS AND WHICH INCLUDES SILANOL CONDENSATION



(57) Abstract: The present invention relates to a low voltage power cable comprising an insulation layer with a density below 1100 kg/m³ which comprises a polyolefin comprising 0.02 to 4 mol% of a compound having polar groups and further comprises a compound having hydrolysable silane groups and include 0.0001 to 3 wt.-% of a silanol condensation catalyst. Furthermore, the present invention relates to a process for the production of said low voltage power cable and to the use of a polyolefin comprising 0.02 to 4 mol% of a compound having polar groups in the production of an insulation layer for a low voltage power cable.